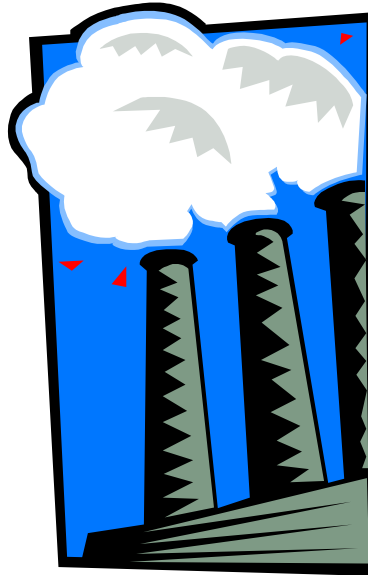


# *Stationary Combustion Sources*



Yogesh Doshi  
Workgroup Leader  
June 29, 2005

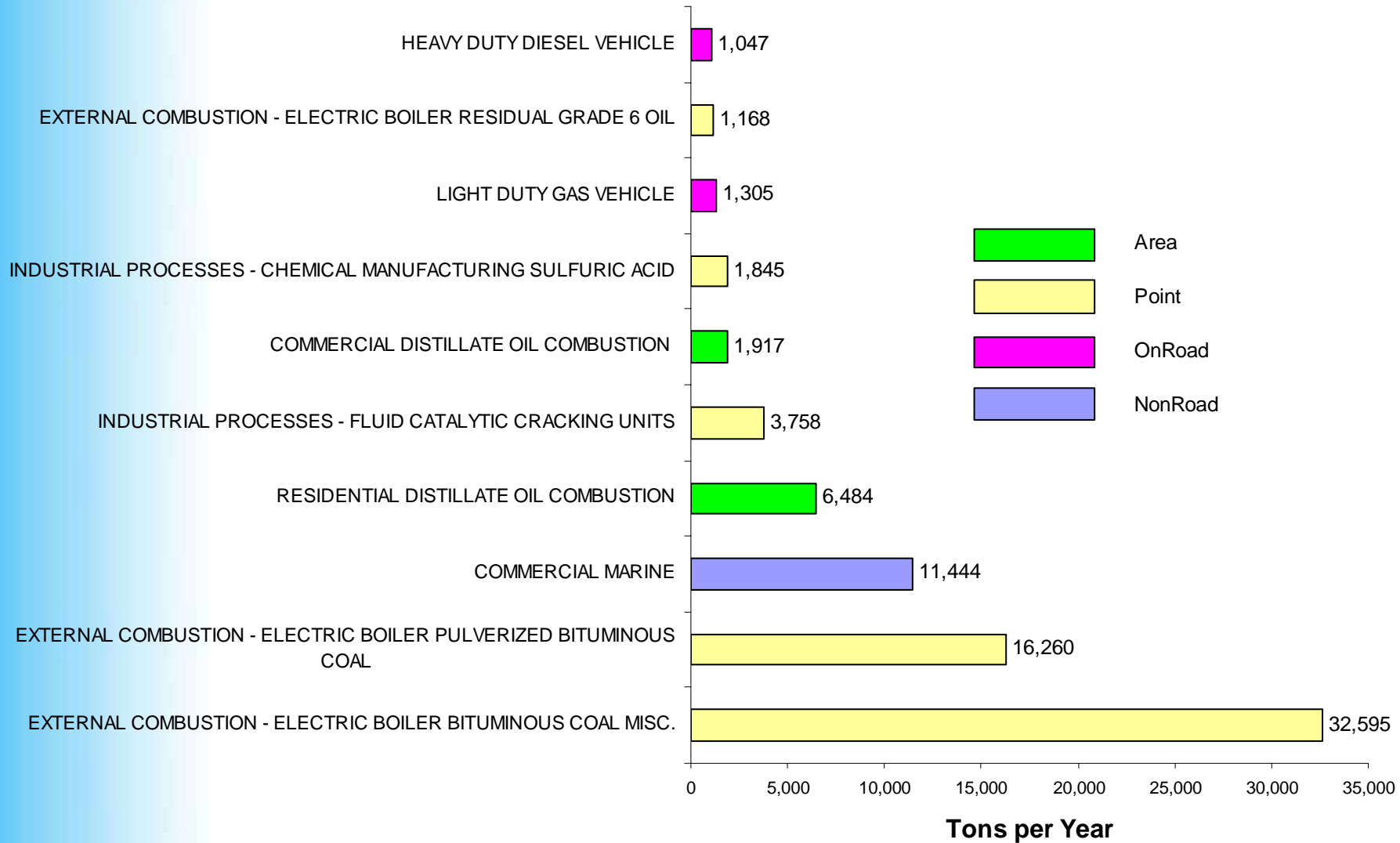
# Workgroup Description

- To recommend potential ways to control and/or reduce emissions from facilities identified as stationary sources of combustion.
  - 3 or 4 Workgroup meetings over the next 3 months
  - Recommendation Report to Comm. by Sept. 20
- Sources include:
  - Electric Generating Units, e.g. turbines
  - Non-electric generating units, e.g. industrial boilers

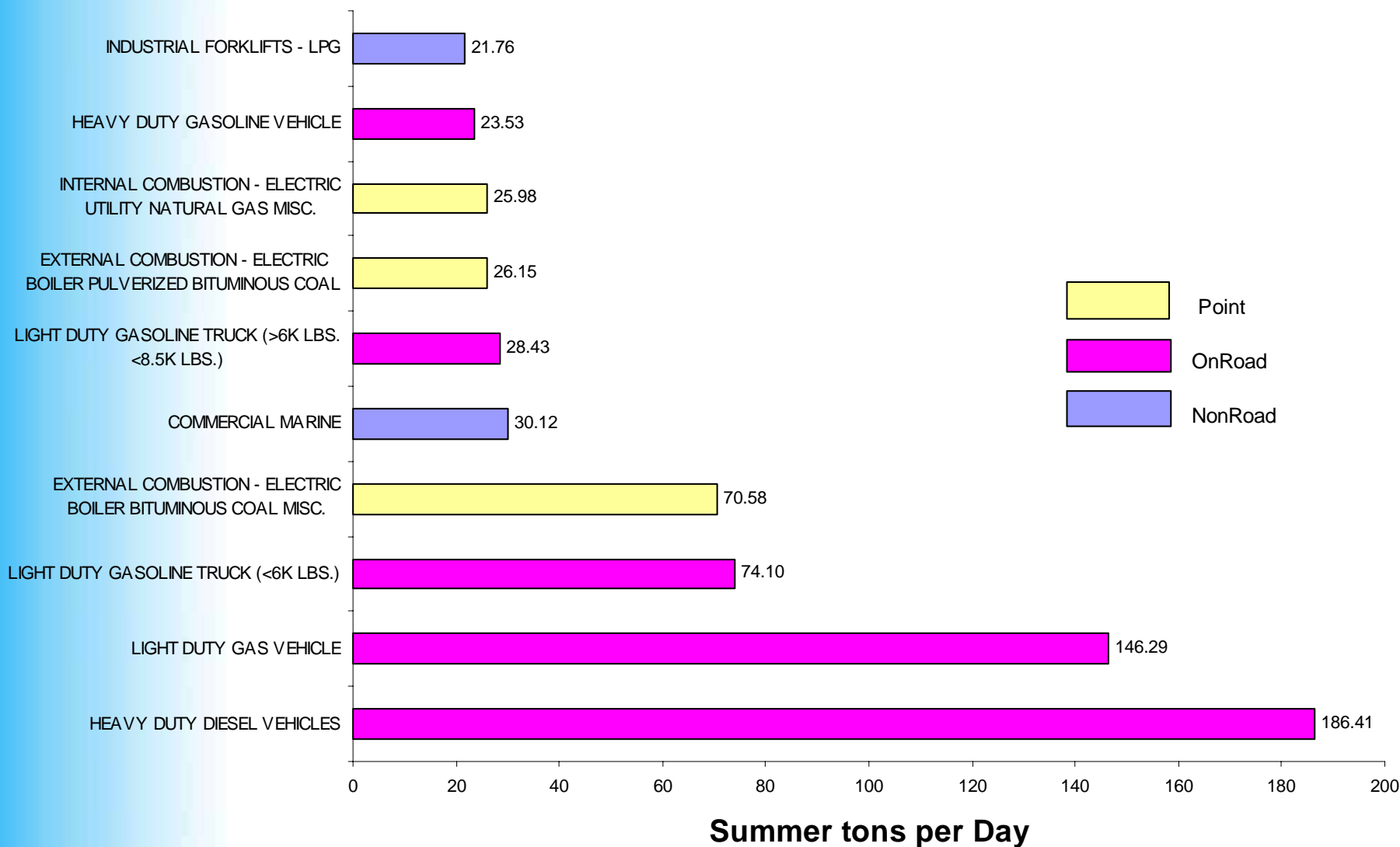
# Why is New Jersey Interested in this Category?

- Stationary combustion sources constitute substantial portions of total statewide SO<sub>2</sub> and NO<sub>x</sub> emission inventories, and contribute to the VOC and PM<sub>2.5</sub> emission inventories

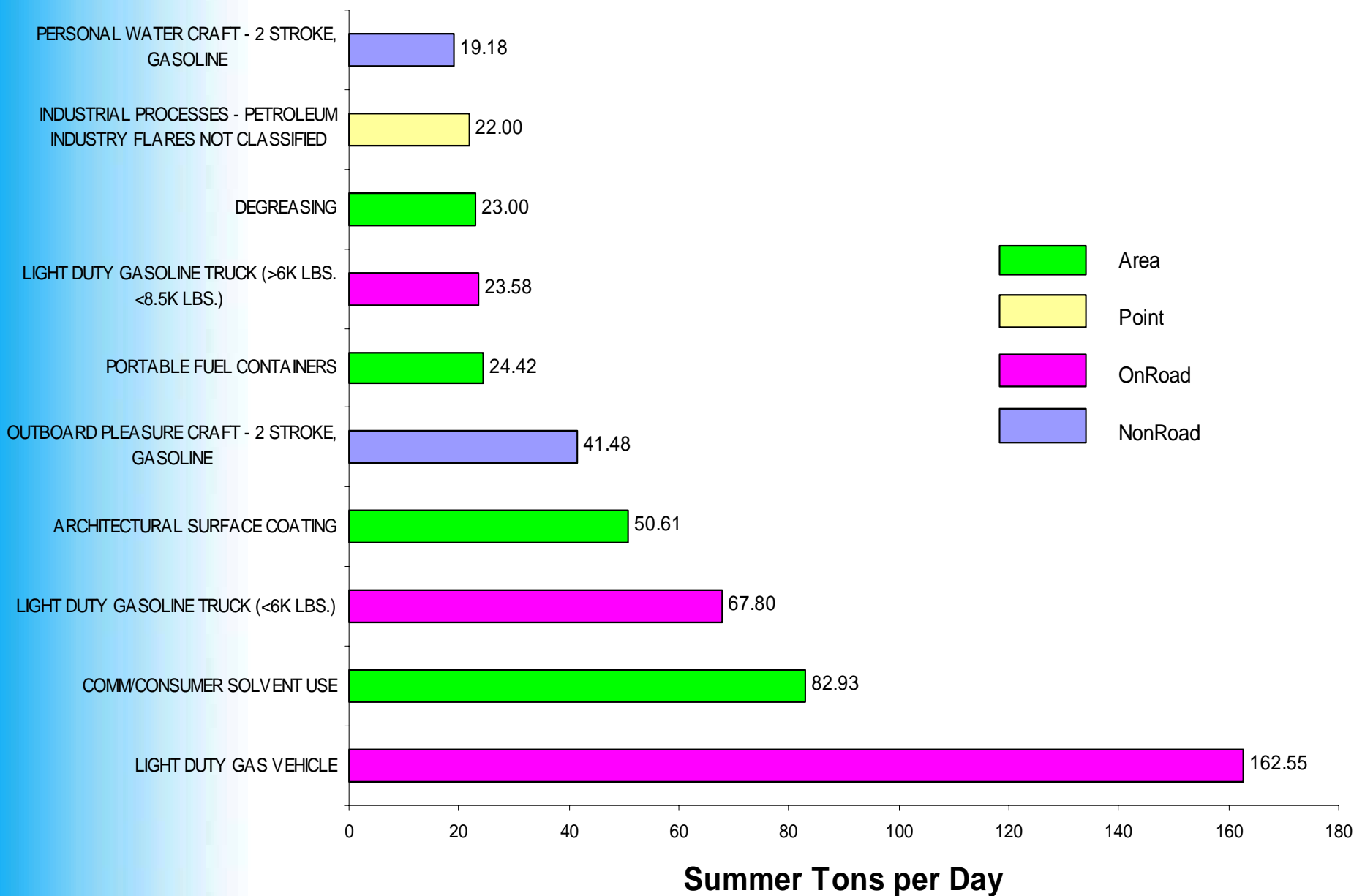
## 2002 New Jersey SO<sub>2</sub> Emission Inventory Top 10 by SCC



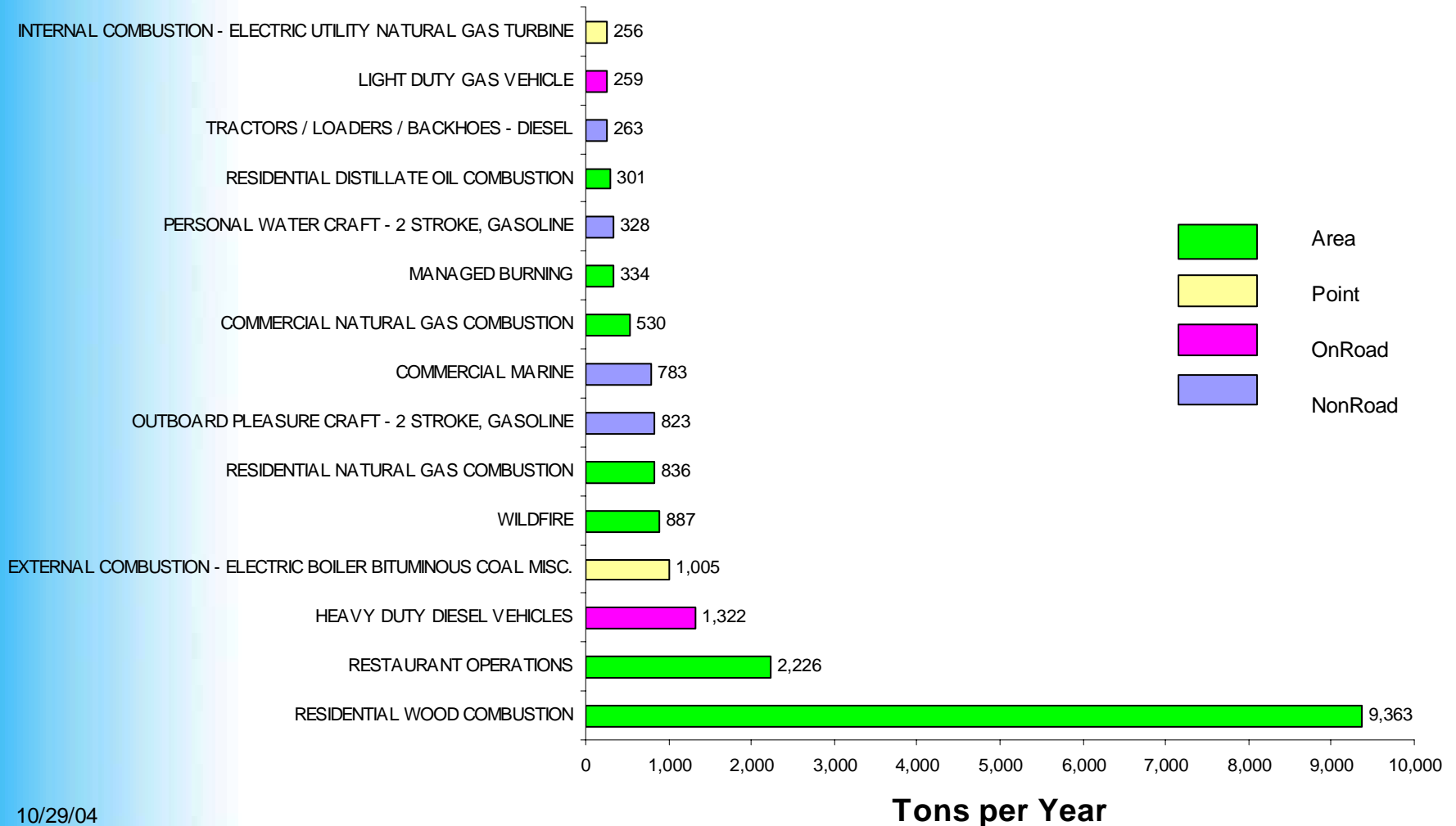
## 2002 New Jersey NOx Emission Inventory Top 10



## 2002 New Jersey VOC Emission Inventory Top 10



## 2002 New Jersey PM2.5 (without Fugitive Dust\*) Emission Inventory Top 15 by SCC



10/29/04

# **Current and/or Planned New Jersey Controls for these Sources**

- NJ Air Pollution Control Regulations -
  - Current: NJAC 7:27 - Subchapters 3, 4, 7, 16, 19
  - Under revision: NJAC 7:27 - 19
    - OTC - MOU
      - Stricter emission limits: Boilers and turbines



# What Other States / Organizations Are Doing?

- **Mid-West Regional Planning Org.**
  - Control Measures for EGUs; NO<sub>x</sub> and SO<sub>x</sub>
- **Low Sulfur Fuels** for residential /industrial/commercial uses (MANE-VU & NESCAUM)

# What Other States / Organizations Are Doing?

- **Reasonably Available Control**

- Technology** (RACT) (OTC) - all 4 pollutants

- Update
    - Benchmark

- **Multi-Pollutant Attainment Program** (OTC)

- VOC, NO<sub>x</sub>, SO<sub>2</sub>, Hg & possibly CO<sub>2</sub> at stationary sources
  - Peaking Units
  - Distributed Generation

# Workgroup Charge

- Develop a list of candidate Air Pollution Control measures that can be implemented in EGU's and non-EGU type stationary combustion sources.
- Develop recommendations for implementation on the suggested category.
- All ideas will be considered....

# State Team Members

- Yogesh Doshi - Workgroup Leader, NJDEP
- Peg Gardner - Co-Facilitator, NJDEP
- Danny Wong - Co-Facilitator, NJDEP
- Melissa Evanego - NJDEP
- Tom McNevin - NJDEP
- Richelle Wormley - NJDEP
- Matt Zehr - NJDEP
- Joe Carpenter - NJDEP